

Circuit Breakers Questions and Answers as of August 06, 2014:

1: Can the outages be scheduled for a Saturday and a concurrent Sunday?

It would depend on your explanation and plan.

2: Why are the outages limited to 8 hours – would it be possible to extend to 10 or 12 hours or longer?

10 to 12 hours is possible, beyond 12 hours would depend on your explanation and plan.

3: What shift (time of day) would the outage start?

Normally around 6:30 AM

4: We intend on Primary Injection testing the breakers in Houston, TX prior to delivery. Can we just perform Secondary Injection at the VA prior to installing rather than Primary Injection field testing again?

Primary injection is requested on site per PWS.

5: Do the current breakers (480/277V) have neutral current transformers installed?

Most do not have neutral CT.

6: If the answer to question #5 is “YES”, then is it a requirement to replace all the current neutral current transformers with NEW CT's?

Yes, where neutral CT are installed.

7: Are there Standard Field Acceptance Certificate forms to use or will an Acceptance Document on company letterhead suffice?

There is not a standard VA form, vendor forms will be evaluated and approved.

8. Specification indicates GE POWER BREAKER II with Entelliguard TU. Is this negotiable?

Schneider Electric NW will be considered.

10. Do you want to replace the fixed breakers with fixed breakers? Why not drawout? The VA would really be better served going to a drawout PowerBreaker. The price delta is not that much and its so much easier to open and rack out a bad breaker than to take a utility outage to unbolt a fixed breaker. And since they use a lot of MasterPact NW's inside they would have spares no doubt.

Based on your detail response, I am not sure what you are asking or why you are asking this question.

11. The spec states all breakers will be the same or higher AIC rating but then at the bottom of the spec it states all breakers shall have an interrupt rating of 200kAIC.

The GE 200kAIC rated powerbreak II they have is 240VAC. We can only do 200kAIC in a MasterPact Drawout at 480V.

I need clarification on are we matching existing AIC rating or do they need 200kA.

Pg 10 of 17 of the PWS answer this question.

12. Are there any "1-Line" drawings of the facility electrical system(s) available. In actuality – prior to any work commencing, the chosen contractor will need to have a copy of these drawings to understand the site for safety purposes. As an example of what I am looking for, I have attached a generic "1-Line" that we use at one of our current customers. If you could distribute or e-mail this information – that would be of great assistance."

One line will be given at the walk-thru.

13. Breaker # 16 AMSB-Main is a Square-D brand of breaker and the pictures in Attachment # 2 page 28 show this breaker is mounted in a Sq-D switchgear cubical. Is it required to replace this breaker with a GE PBII breaker or with a NEW Sq-D breaker (model to be defined?) ? Is the ultimate desire to replace all the (16) breakers with only GE PBII models, or install (15) GE PBII's and (1) Sq-D. It will be very expensive to modify the Sq-D switchgear cubical and bus to install (1) GE PBII in Sq-D equipment environment."

You are correct. The VA is not requesting a GE breaker to be installed in the SqD switchboard. The AMSB will require a SqD (SqD NW breaker).